PH

Restricted Circulation

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# AGRICULTURAL MEMORANDUM NO 599

## TIME AVAILABLE FOR SUBSOILING AFTER A DRY SUMMER

L P Smith

The analysis of the Mem 598 was repeated for dry summers, ie those with an Aug 31 SMD of 4 ins or more.

The results were:-

| Region and Av. Ann. Rainfall | 75% | 50% | 25% |
|---|---|---|---|
| NORTH | | | |
| Over 35 in | 50 | 71 | 81 |
| 30-35 in | 61 | 86 | 98 |
| 25-30 in | 85 | 100 | 117 |
| Below 25 in | 88 | 114 | 132 |
| MIDLANDS | | | |
| Over 30 in | 67 | 86 | 96 |
| 25-30 in | 74 | 96 | 121 |
| Below 25 in | 81 | 108 | 132 |
| EAST | | | |
| Below 25 in | 88 | 107 | 131 |
| SOUTHEAST | | | |
| Over 30 in | 60 | 79 | 102 |
| 25-30 in | 76 | 94 | 110 |
| Below 25 in | 82 | 96 | 131 |
| SOUTHWEST | | | |
| Over 35 in | 53 | 66 | 75 |
| 30-35 in | 58 | 73 | 95 |
| Below 30 in | 62 | 80 | 96 |
| WALES | | | |
| Over 40 in | 52 | 58 | 66 |
| Below 40 in | 54 | 67 | 89 |

Full distribution is given in the Appendix.

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MUST NOT BE QUOTED

APPENDIX

| NORTH Return Date | Over 35 in | 30–35 in | 25–30 in | Below 25 in |
|---|---|---|---|---|
| S1 | | | | |
| S2 | | | | |
| S3 | | | | |
| O1 | | | | |
| O2 | 1 | 1 | 1 | |
| O3 | | 3 | | 1 |
| N1 | 1 | 1 | 2 | 2 |
| N2 | 1 | 2 | 4 | 3 |
| N3 | | 1 | 4 | 3 |
| D1 | 1 | 6 | 7 | 1 |
| D2 | | 2 | 5 | 4 |
| D3 | | | 5 | 7 |
| Jan 1 | | | 3 | 3 |
| Jan 2 | | | 4 | 4 |
| Jan 3 | | | | 3 |
| Feb 1 | | | | 1 |
| Feb 2 | | | | |
| Feb 3 | | | | |
| Never | | | | |

| MIDLANDS | Over 30 in | 25–30 in | Below 25 in |
|---|---|---|---|
| | | | |
| | | | |
| | | | 1 |
| | | | 1 |
| | 1 | 1 | 1 |
| | 2 | 5 | |
| | 5 | 9 | 3 |
| | 3 | 10 | 6 |
| | 3 | 5 | 3 |
| | 8 | 13 | 4 |
| | | 6 | 7 |
| | 2 | 5 | 2 |
| | 1 | 8 | 8 |
| | | 8 | 4 |
| | | 1 | 5 |
| | | 1 | 2 |
| | | 1 | |
| | | | 1 |
| | | | |

| EAST | Below 25 in |
|---|---|
| | |
| | |
| | |
| | |
| | 1 |
| | 4 |
| | 15 |
| | 30 |
| | 20 |
| | 16 |
| | 24 |
| | 11 |
| | 17 |
| | 4 |
| | 7 |
| | 4 |
| | 2 |
| | 4 |

| SOUTHEAST Return Date | Over 30 in | 25–30 in | Below 25 in |
|---|---|---|---|
| S1 | | | |
| S2 | | | |
| S3 | | | |
| O1 | | | |
| O2 | 3 | 1 | |
| O3 | 8 | 9 | 1 |
| N1 | 4 | 7 | 5 |
| N2 | 8 | 11 | 4 |
| N3 | 4 | 13 | 10 |
| D1 | 5 | 11 | 5 |
| D2 | 4 | 16 | 3 |
| D3 | 4 | 9 | 1 |
| Jan 1 | 3 | 5 | 5 |
| Jan 2 | | 5 | 5 |
| Jan 3 | | | 2 |
| Feb 1 | | | 1 |
| Feb 2 | | | 3 |

| SOUTHWEST | Over 35 in | 30–35 in | Below 30 in |
|---|---|---|---|
| | | 1 | |
| | 2 | | |
| | 1 | 5 | 4 |
| | 2 | 9 | 5 |
| | 5 | 10 | 8 |
| | 3 | 8 | 4 |
| | 1 | 4 | 3 |
| | 1 | 7 | 8 |
| | | 4 | 1 |
| | | 3 | |
| | | 2 | 4 |

| WALES | Over 40 in | Below 40 in |
|---|---|---|
| | | |
| | 1 | 1 |
| | 2 | 5 |
| | 7 | 9 |
| | 5 | 6 |
| | 1 | 5 |
| | 1 | 2 |
| | | 4 |
| | | 4 |
| | | 1 |

Any comments or suggestions on this paper should be referred to the author.

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Bracknell
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